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12 May 1970

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MEMORANDUM FOR: [] CIA-OSR-SF/D

SUBJECT : Analysis of Selected Soviet Air Warning Radar Facilities

REFERENCES : []
(NPIC Project 250519AF)

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1. This memorandum, one of series in response to the referenced requirement, presents details of four Soviet air warning radar facilities. Each of the facilities described below has been analyzed on all available high-resolution KEYHOLE photography. Annotated photographs and a chronological table indicating the number and types of radars observed at individual facilities on specific missions are forwarded as attachments. The dimensions given in this memorandum are accurate to within [] plus 1 percent) with a 95 percent confidence level.

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2. The selected air warning radar facilities included in this memorandum are:

- a. Magdagachi TALL KING Air Warning Radar Facility
53-27-00N 125-47-30E, []

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The Magdagachi TALL KING Air Warning Radar Facility (Attachments 1 and 1-A), located 1 nautical mile (nm) north of Magdagachi, USSR, consists of two BAR LOCK radars, one STRIKE OUT radar, one TALL KING radar, one SIDE NET radar, one SPOON REST radar, and one possible FLAT FACE radar with a drive-in revetment at the base of the radar mound. The facility also contains one probable barracks, one control building, two FORK REST-type very high frequency (VHF) antennas, and 20 support buildings. The probable barracks has a total floorspace of 419 square meters (4,506 square feet).

- b. Chagyl TALL KING Air Warning Radar Facility
40-39-00N 055-27-00E, []

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The Chagyl TALL KING Air Warning Radar Facility (Attachments 2 and 2-A), located 8 nm south-southeast of Chagyl, USSR, consists of one TALL KING radar, one ROCK CAKE/STONE CAKE radar, one BAR LOCK radar, four

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KNIFE REST radars, and one probable FLAT FACE radar. The facility also contains one barracks, one administration building, ten vans or trucks, and eight support buildings. The barracks has a total floorspace of

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- c. Chervono-Glinskoye TALL KING Air Warning Radar Facility
45-58-00N 029-23-00E, [REDACTED]

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The Chervono-Glinskoye TALL KING Air Warning Radar Facility (Attachments 3 and 3-A), located 1.3 nm northwest of Chervono-Glinskoye Airfield [REDACTED], consists of two BAR LOCK radars, two SIDE NET radars, one possible FLAT FACE radar, one arched-roof control bunker under construction, one control building, 16 revetments, 14 vans or trucks, and 12 support buildings. A TALL KING radar facility is located immediately south-southwest of the radar operations area; however, no TALL KING antenna can be identified. No barracks or housing units for the facility are identified.

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- d. Okha Air Warning Radar Facility
53-35-00N 142-55-00E, BE None, [REDACTED]

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The Okha Air Warning Radar Facility (Attachments 4 and 4-A), located 1 nm west of Okha, USSR, consists of one BIG BAR/BIG MESH radar, one BAR LOCK radar, five electronics vans, and two support buildings. No barracks or housing units for the facility are identified.

3. This is a partial response to the requirement. Any further inquiries should be directed to [REDACTED] NPIC/IEG/SD/EB, IDS Code 143, [REDACTED]

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Chief, Imagery Exploitation Group
NPIC

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Attachments

- 1 Magdagachi TALL KING Air Warning Radar Facility
- 1-A Radars observed at Magdagachi TALL KING Air Warning Radar Facility
- 2 Chagyl TALL KING Air Warning Radar Facility
- 2-A Radars observed at Chagyl TALL KING Air Warning Radar Facility
- 3 Chervono-Glinskoye TALL KING Air Warning Radar Facility
- 3-A Radars observed at Chervono-Glinskoye TALL KING Air Warning Radar Facility
- 4 Okha Air Warning Radar Facility
- 4-A Radars observed at Okha Air Warning Radar Facility

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